

wagner

A Division of Allied Systems Company

CD1000 Coal Dozer



Engine - Cummins QSX-15

Max Horsepower 540 @ 2100 RPM
 Max Torque 1740 Ft/Lbs @ 1400 RPM
 Bore and Stroke 5.4" x 6.7"
 No. of Cylinders 6
 Displacement 915 In³ (15.0 liters)

Engine - Caterpillar C-15 Electronic

Max Horsepower 540 @ 2100 RPM
 Max Torque 1819 Ft/Lbs @ 1400 RPM
 Bore and Stroke 5.4" x 6.5"
 No. of Cylinders 6
 Displacement 893 In³ (14.6 liters)

Tires

Size 29.50 x 29 Radial
 Hydroflation: Weight each Tire 2386 Lbs (1083 Kg)
 All Tires are Hydroflated

Electrical System

Type 24 Volt Negative Ground/24 Volt Start
 Alternator 100 AMP
 Circuit Breakers (lights) 30 AMP
 Circuit Breakers (accessory) 20 AMP
 Batteries (2) 12 Volt-8D @ 205 AMP Hr. each

Transmission - Clark 8000 Series Power Shift

4 Speeds Fwd/Rev

Range	Ratio	Speed (Unladen)
1.....	4.07:1	3.3 mph (5.3 km/h)
2.....	2.27:1	6.0 mph (9.7 km/h)
3.....	1.29:1	10.3 mph (16.6 km/h)
4.....	0.71:1	21.1 mph (33.9 km/h)

Torque Converter - Clark 8000 Series

Single-stage, 3 Elements Stall Torque Ratio 2.292:1

Air Cleaner

Donaldson Two-stage Dry Type

Axles - Clark 53R

Chassis Axle No-Spin
 Bogie Axle Posi-Torque
 Type Planetary
 Brakes Hydraulically Actuated/Force Cooled/Wet Disc
 Carrier Ratio 4.857:1
 Planetary Ratio 5.368:1
 Total Reduction 26.072:1

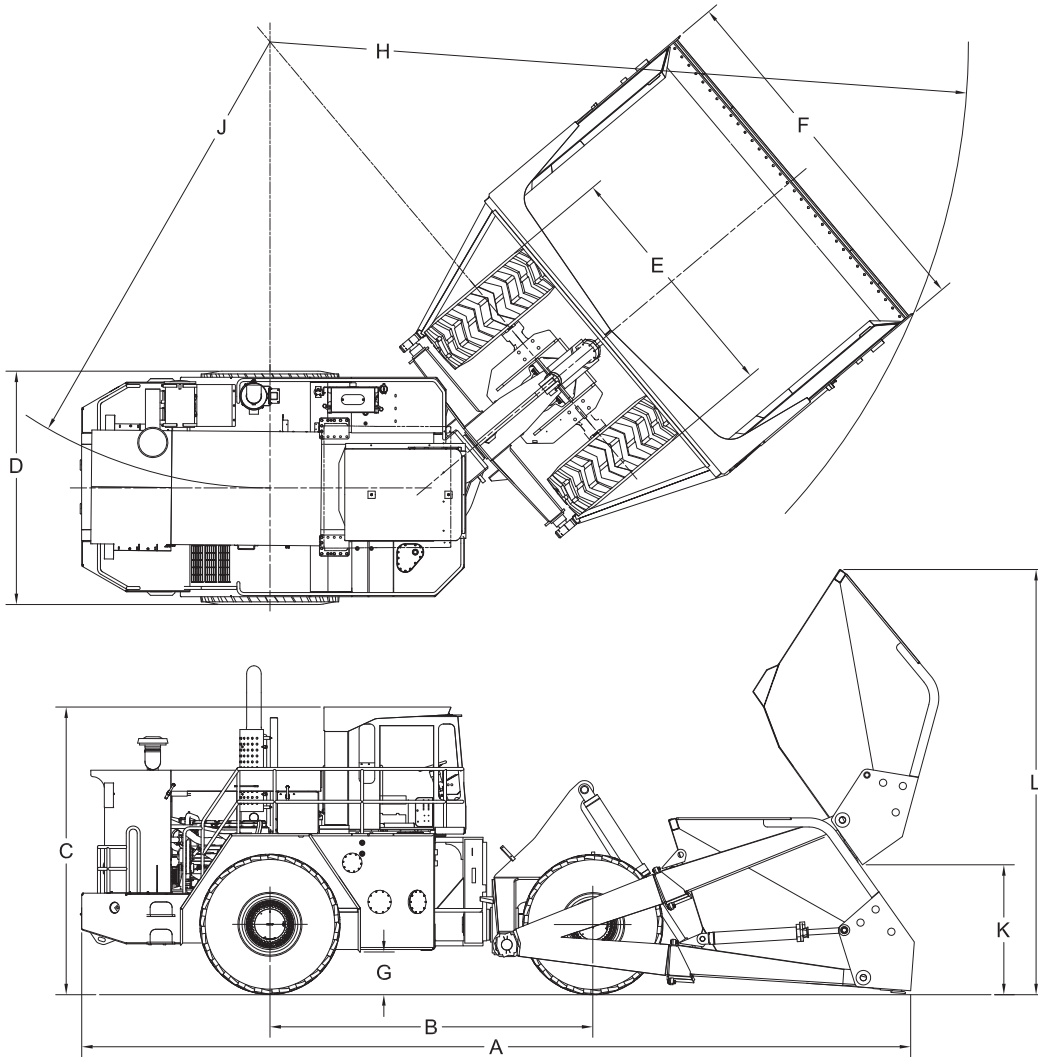
Hydraulic System

Implement Pump 73 GPM @ 1900 Engine RPM
 Steering Pump 73 GPM @ 1900 Engine RPM
 Brake Pump 6 GPM @ 1900 Engine RPM
 Cooler Pump 24 GPM @ 1900 Engine RPM
 JW/CAC Fan Pump 33.6 GPM @ 2100 Engine RPM
 Brake Cooling Pump 10 GPM @ 2000 Engine RPM
 Steering Cylinder (2) 5" x 35.4" (127mm x 899mm)
 Dump Cylinder (2) 6" x 36.5" (152mm x 927mm)
 Hoist Cylinder (2) 8" x 40.9" (203mm x 1039mm)
 Side Tilt Cylinder 6" x 5" (152mm x 127mm)

Service Refill Capacities

Fuel Tank 295 Gals (1117 liters)
 Hydraulic Oil 200 Gals (757 liters)
 Cooling System 40 Gals (151 liters)
 Brake System Reservoir (Low Mark) 22.4 Gals (85 liters)
 Transmission Circuit/Brake Cooling System 23 Gals (87 liters)

CD1000



Dimensions (approximate)

A. Overall Length	37' 11" (11557mm)	G. Ground Clearance (Chassis)	1' 11" (584mm)
B. Wheelbase	14' 9" (4496mm)	Ground Clearance (Differential)	2' 0" (610mm)
C. Cab Height	13' 2" (4013mm)	H. Turning Radius - Outside Bucket	31' 11" (9728mm)
D. Outside Chassis Width (Tires)	10' 8" (3251mm)	J. Turning Radius - Centerline	20' 5" (6223mm)
E. Outside Bogie Width (Tires)	11' 3" (3429mm)	K. Maximum Dump Height	5' 11" (1803mm)
F. Bucket Width	16' 7" (5054mm)	L. Maximum Height in Dump Position	19' 5" (5918mm)

Weights and Functions (approximate)

Unit Weight/Hydroflation	93,300 lbs (42,358 kg)	Bucket Lift & Carry Capacity Approx	20 yd ³ (15.3 m ³)
Bogie End/Hydroflation	56,550 lbs (25,674 kg)	Articulation	40° each way
Chassis End/Hydroflation	36,750 lbs (16,685 kg)	Oscillation	15° each way
Dump Angle at Maximum Height	54°	Maximum Bucket Forward Tip	77°
Bucket Push & Carry Capacity Approx	40 yd ³ (30.6 m ³)	Side Tilt (Optional)	6" each way from horizontal

Optional Equipment: Standard and special options are available. Contact the Allied Factory for details.

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